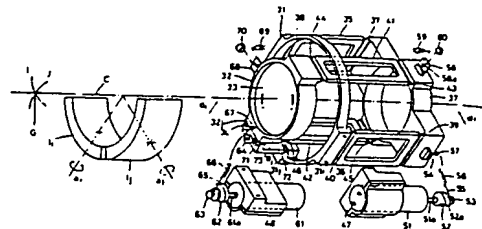


(54) CAMERA WITH IMAGE BLUR CORRECTING FUNCTION AND INTERCHANGEABLE LENS FOR CAMERA

(11) 4-95932 (A) (43) 27.3.1992 (19) JP
 (21) Appl. No. 2-207983 (22) 8.8.1990
 (71) CANON INC (72) ICHIRO ONUKI
 (51) Int. Cl.³. G03B5/00, G02B7/08, G03B17/00

PURPOSE: To eliminate image deterioration such as defocusing by inhibiting releasing operation by a release control means when a displacement detecting means detects a correction optical system being displaced outside a specific range.

CONSTITUTION: An angular accelerometer 1i detects a blur in a direction I of a lens and a motor 51 is driven according to the blur signal to drive a fixed frame 37 and a lens holding frame 32 in a direction di. Further, an angular accelerometer 1j detects a blur in a direction J and a motor 61 is driven to drive a lens holding frame 32 in a direction dj through an intermediate lever 71. The two-dimensional blur on a photographic picture plane is corrected by the blur correcting operation in those two axial directions. Namely, when the lens is displaced so that a permissible defocusing quantity is generated, the release operation is inhibited. Consequently, an out-of-focus photograph is prevented from being taken.



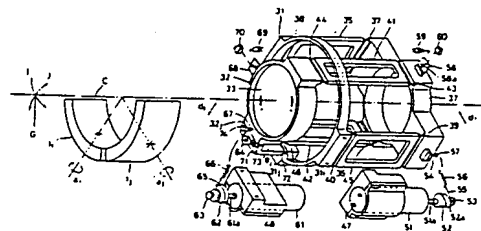
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(54) AUTOMATIC FOCUSING DEVICE FOR CAMERA PROVIDED WITH IMAGE BLURRING CORRECTING FUNCTION

(11) 4-95933 (A) (43) 27.3.1992 (19) JP
 (21) Appl. No. 2-207984 (22) 8.8.1990
 (71) CANON INC (72) ICHIRO ONUKI
 (51) Int. Cl.³. G03B5/00, G03B17/00

PURPOSE: To obtain an image blurring correcting function with good handleability by actuating a delay means in the case of correcting image blurring in response to the operation of an operational switch.

CONSTITUTION: The blurring in the direction I of a lens is detected by an angular accelerometer 1i and a motor 51 is driven based on a blurring signal. The blurring in a direction J is detected by the accelerometer 1j and a motor 61 is driven to correct the two-dimensional blurring on a photographic image plane. When an image blurring correcting action is started, correction optical system 33 is restored suddenly to a position where the center axis of the system 33 is aligned with a photographic optical axis. Thereafter, the image blurring is corrected in accordance with the blurring signal. Namely, a microcomputer in a camera immediately and simultaneously performs a centering action and an AF action previous to the image blurring correcting action when focusing is not attained at all. When focusing is already attained once, the actions are delayed by a specified time and the next AF action is performed after finishing the centering action and the change of framing. Thus, the handleability is improved.



(54) AUTOMATIC FOCUSING DEVICE FOR CAMERA PROVIDED WITH IMAGE BLURRING CORRECTING FUNCTION

(11) 4-95934 (A) (43) 27.3.1992 (19) JP
 (21) Appl. No. 2-207985 (22) 8.8.1990
 (71) CANON INC (72) ICHIRO ONUKI
 (51) Int. Cl.³. G03B5/00, G02B27/64

PURPOSE: To prevent a framing changing action from being hindered by inhibiting the contention of a focusing action and an image blurring correcting action in response to the operation of an operational switch in the case that a depth priority AE mode is selected.

CONSTITUTION: In the case that the automatic depth priority AE mode is selected, the correction of image blurring is started by turning on an SW1, and then photometry, focus detection in plural areas and depth priority AE arithmetic operation are performed. Based on the obtained result, a lens is driven to a position that all of plural objects get in the depth of focus. By turning on an SW2, the specified arithmetic operation is performed and exposure control is performed based on a stop value and a shutter speed which are calculated. Namely, in the automatic depth priority AE mode, the framing need not be changed after detecting the focus, so that an image blurring correcting effect is more quickly confirmed in the case that the correction of the image blurring is started by turning on the SW1 first. Thus, the framing changing action at the time of selecting the depth priority AE mode is not hindered.

